Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/04/2020 10:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/04/2020 09:02 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122886	-2	2.57	122970	2.51
Blue	F	SSC	125000	124522	-1	1.90	125300	1.88
Blue	E	FITC	14171	13665	-4	3.32	297	21.28
Blue	D	PE	27630	26681	-4	2.67	579	15.53
Blue	B	PerCP-Cy5-5	41869	41208	-2	4.18	1103	21.31
Blue	A	PE-Cy7	30581	30549	-1	6.78	584	43.01
Red	C	APC	47208	46783	-1	2.43	1653	12.17
Red	A	APC-Cy7	33493	32696	-3	2.46	874	11.80
Violet	B	V450	7125	6808	-5	3.64	389	12.56
Violet	A	V500	27926	26865	-4	3.40	630	10.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19615	5.49	650	-6	N/A	N/A	Pass
Blue	F	SSC	57217	1.68	585	-1	N/A	N/A	Pass
Blue	E	FITC	55	66.72	545	-3	0.0177	146	Pass
Blue	D	PE	121	53.91	552	-2	0.1608	334	Pass
Blue	B	PerCP-Cy5-5	205	50.75	663	0	0.0082	27	Pass
Blue	A	PE-Cy7	106	109.75	713	2	0.0099	22	Pass
Red	C	APC	396	26.03	592	0	0.0248	231	Pass
Red	A	APC-Cy7	194	27.85	566	-2	0.0056	836	Pass
Violet	B	V450	59	58.24	444	-13	0.0563	2220	Pass
Violet	A	V500	94	29.99	458	-13	0.0228	299	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.27	-32.72	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.38
Red	16.70	13.60 - 20.40	N/A	N/A	29.81	30.34	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.70

Threshold

Threshold (FSC): 12340

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments